

California Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, CA 92501-3348

NOTICE OF PUBLIC HEARING

For
ORDER NO. R8-2007-0052
for
Amending Order No. 98-3
Waste Discharge Requirements
for
City of Corona
Wastewater Treatment Plant No. 2
Riverside County

On the basis of preliminary staff review and application of lawful standards and regulations, the California Regional Water Quality Control Board, Santa Ana Region, proposes to amend Order No. 98-3, to include the revised water quality objectives for total dissolved solids in accordance with the amended Basin Plan.

The Board is seeking comments concerning the proposed waste discharge requirements and the potential effects of the discharge on the water quality and beneficial uses of the affected receiving waters.

The Board will hold a public hearing to consider adoption of the proposed waste discharge requirements as follows:

DATE: September 7, 2007
TIME: 9:00 a.m.
PLACE: City Council Chambers of Loma Linda
25541 Barton Road
City of Loma Linda

The Board's proposed Order, related documents, and all comments and petitions received may be inspected and copied at the Regional Board office, 3737 Main Street, Suite 500, Riverside, CA 92501-3348 ((951) 782-4130) by appointment scheduled between the hours of 9:00 a.m. and 3:00 p.m., Monday through Friday. Copies of the proposed Order will be mailed to interested persons upon request to J. Shami (951) 782-3288. The proposed Order can also be downloaded from our website at http://www.waterboards.ca.gov/santaana/html/tentative_orders.html starting August 27, 2007.

Interested persons are invited to submit written comments on the proposed Order No. R8-2007-0052. Interested persons are also invited to attend and express their views on issues relating to the proposed Order. Oral statements will be heard, but should be brief to allow all interested persons time to be heard. For the accuracy of the record, all testimony (oral statements) should be submitted in writing.

Although all comments that are provided up to and during the public hearing on this matter will be considered, receipt of comments by August 17, 2007 would be appreciated so that they can be used in the formulation of the draft Order that will be transmitted to the Board two weeks prior to the hearing. The draft Order may contain changes resulting from comments received from the public. To view and/or download a copy of the final draft requirements, please access our website at <http://www.waterboards.ca.gov/santaana/html/2007agendas.html> on or after August 27, 2007.

Any person who is physically handicapped and requires reasonable accommodation to participate in this Regional Board Meeting should contact Felipa Carrillo (951) 782-3285 no later than August 31, 2007. Please bring the foregoing to the attention of any person known to you who would be interested in this matter.

California Regional Water Quality Control Board
Santa Ana Region

September 7, 2007

STAFF REPORT

ITEM:

SUBJECT: Amendment to Order No. 98-3, Waste Discharge Requirements for the City of Corona Wastewater Treatment Plant No. 2 - Order No. R8-2007-0052

I. DISCUSSION:

On April 17, 1998, the Regional Water Quality Control Board (the Regional Board) adopted Order No. 98-3, prescribing Waste Discharge Requirements for the discharge of secondary treated wastewater from the City of Corona Wastewater Treatment Plant No. 2 to three evaporation/percolation ponds.

On January 24, 1995, a revised Water Quality Control Plan for the Santa Ana Region (hereinafter Basin Plan) became effective. The Basin Plan was amended significantly to incorporate revised boundaries for groundwater subbasins, now termed "management zones", new nitrate-nitrogen and total dissolved solids (TDS) objectives for the new management zones, and new nitrogen and TDS management strategies applicable to both surface and ground waters.

In accordance with the amended Basin Plan, discharge from the City of Corona Plant No. 2 overlies the Temescal Management Zone. Water quality objectives for TDS have also changed.

II. Proposed changes to the Order.

The following are the recommended changes to Order No. R8-2007-0052. (Deleted text is struck out and added text is bold and highlighted).

1. Order No. 98-3, Page 1 of 15, modify Finding No. 6 as follows:
 6. Plant No. 2 discharges treated municipal wastewater to three evaporation/percolation ponds located in portions of Sections 23 and 24, T3S, R7W, SBB&M. One pond, called the Lincoln pond, is located at the north-east corner of the intersection of Rincon Street and Lincoln Avenue. The remaining two ponds, called the Cota Street ponds, are located westerly of Cota Street on the north and south side of Rincon Street. These **two** ponds also receive ~~approximately 2.5~~ **up to 5.5** mgd of secondary treated wastewater from the City of Corona's Wastewater Treatment Plant No. 1.

2. Order No. 98-3, Page 2 of 15, modify Finding No. 8 as follows:

8. The City of Corona is a participating agency in the Santa Ana Regional Interceptor Project (SARI Line). The City has a raw sewage treatment and disposal right of ~~3.278~~ **1.55** mgd in the SARI Line. This disposal right allows the discharger to divert to the SARI Line a portion of the total influent into the treatment plant which is above the plant's current design capacity. Furthermore, all raw sewage flows into Plant No. 2 can be diverted to Wastewater Treatment Plant No. 1.

3. Order No. 98-3, Page 2 of 15, Modify Finding No. 10 as follows:

10. ~~A Water Quality Control Plan (Basin Plan) became effective on January 24, 1995. The Basin Plan contains beneficial uses and water quality objectives for waters in the Santa Ana Region.~~ **The Regional Water Board adopted a revised Water Quality Control Plan for the Santa Ana Region (hereinafter Basin Plan) that became effective on January 24, 1995. The Basin Plan designates beneficial uses, establishes water quality objectives, and contains implementation programs and policies to achieve those objectives for all waters in the Santa Ana Region addressed through the plan. More recently, the Basin Plan was amended significantly to incorporate revised boundaries for groundwater subbasins, now termed "management zones", new nitrate-nitrogen and TDS objectives for the new management zones, and new nitrogen and TDS management strategies applicable to both surface and ground waters. This Basin Plan Amendment was adopted by the Regional Board on January 22, 2004. The State Water Resources Control Board and Office of Administrative Law (OAL) approved the Amendment on September 30, 2004 and December 23, 2004, respectively. The surface water standards provisions of the Amendment are awaiting approval by the U.S. Environmental Protection Agency. This Order implements relevant provisions of the N/TDS Basin Plan Amendment.**

In addition, the Basin Plan implements State Water Resources Control Board (State Water Board) Resolution No. 88-63, which established State policy that all waters, with certain exceptions, should be considered suitable or potentially suitable for municipal or domestic supply.

4. Order No. 98-3, Page 2 of 15, Modify Finding No. 11 as follows:

11. The discharge overlies the Temescal Groundwater Subbasin **Management Zone**, the beneficial uses of which include:

- a. Municipal and domestic supply,
- b. Agricultural supply,
- c. Industrial service supply, and
- d. Industrial process supply

5. Order No. 98-3, Page 2 of 15, Delete Finding No. 13 as follows:

13. ~~Currently, a number of river dischargers and interested parties, including the discharger, are conducting a watershed wide study of total dissolved solids (TDS) and total inorganic nitrogen (TIN) (hereinafter, TDS/TIN study) which is being coordinated by the Santa Ana Watershed Project Authority. This study may lead to revised findings regarding TDS/TIN assimilative capacity, recommendations for changes to the wasteload allocations, and other TDS/TIN management strategies. Participation in the TDS/TIN study is an acceptable offset for discharges in excess of the TDS limit specified in this Order for the duration of the study or, if the discharger elects to discontinue its involvement, for the duration of the discharger's participation in the study.~~

6. Order No. 98-3, Page 2 of 15, Delete Finding No. 14 as follows:

14. ~~It is appropriate to defer requiring full compliance with the TIN limit specified in this Order, based upon the discharger's commitment to participate in the TDS/TIN study. This Order establishes an interim limit for TIN until full compliance with the effluent limit is achieved. The interim effluent limitation is based upon past operational performance. If warranted by the results of the TDS/TIN study, this Order will be re-opened to incorporate revised TDS/TIN requirements.~~

7. Order No. 98-3, Discharge Specifications A.1.a., Page 3 of 15, Modify Table as follows:

A.1.a. The discharge of treated wastewater containing constituent concentrations in excess of the following limits is prohibited:

a.

Error! Bookmark not defined. DISCHARGE SPECIFICATION		
CONSTITUENTS	MAXIMUM DAILY CONCENTRATION (mg/l)	MONTHLY AVERAGE CONCENTRATION (mg/l)
Biochemical Oxygen Demand	45	30
Suspended Solids	45	30

a.

Error! Bookmark not defined. CONSTITUENT	12- MONTH AVERAGE LIMIT (mg/l)
Chloride	180
Sodium	120
Sulfate	160
Total Dissolved Solids	840 770
Total Hardness	440
Total Inorganic Nitrogen	10 (See also Sections C.7. & C.8., Compliance Determination)
Antimony	.006
Chromium (VI)	.05
Cobalt	0.2
Iron	0.3
Lead	0.05
Mercury	.0024

8. Order No. 98-3, Page 8 of 15, Compliance Determination C.10. modify as follows:

C.10. Compliance with the TIN limits shall be based on the **combined** flow weighted average of the monthly TIN discharges from Plant No. 1 and Plant No. 2 to the percolation ponds.

II. WRITTEN COMMENTS

Interested persons are invited to submit written comments on the proposed discharge limits and the staff report. Comments should be submitted by August 17, 2007, either in person or by mail to:

J. Shami
California Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, CA 92501-3348

III. INFORMATION AND COPYING

Persons wishing further information may write to the above address or call J. Shami of the Regional Board at (951) 782-3288. Copies of the application, proposed waste discharge requirements, Fact Sheet, and other documents (other than those which the Executive Officer maintains as confidential) are available at the Regional Board office for inspection and copying between the hours of 9:00 a.m. and 3:00 p.m., Monday through Friday (excluding holidays).

IV. REGISTER OF INTERESTED PERSONS:

Any person interested in a particular application or group of applications may leave his/her name, address, and phone number as part of the file for an application.

V. PUBLIC HEARING:

The Regional Board will hold a public hearing regarding the proposed waste discharge requirements as follows:

DATE: September 7, 2007
TIME: 9:00 a.m.
PLACE: City Council Chambers of Loma Linda
25541 Barton Road
City of Loma Linda, California

RECOMMENDATION:

Adopt Order No. R8-2007-0052, amending Order No. 98-3, as presented.

Comments were solicited from the following agencies:

U.S. Army District, Los Angeles, Corps of Engineers, Regulatory Branch
U.S. Fish and Wildlife Service – Carlsbad
State Water Resources Control Board, Office of the Chief Counsel – Erik Spiess
California State Department of Health Services, San Diego – Steven Williams
California State Department of Health Services, Carpinteria – Jeff Stone
California Coastal Conservancy – Mary Small
California Coastal Commission – Steve Rynas
State Department of Water Resources - Glendale
State Department of Fish and Game, Ontario
Orange County Water District – Nira Yamachika/Greg Woodside
Riverside County Flood Control and Water Conservation District – Jason Uhley
Riverside County Environmental Health Services
Santa Ana Watershed Project Authority – Celeste Cantu
Santa Ana Dischargers Association –
Inland Empire Waterkeeper - Mandy Revell
Orange County Coastkeeper – Garry Brown
Lawyers for Clean Water C/c San Francisco Baykeeper

California Regional Water Quality Control Board
Santa Ana Region

ORDER NO. R8-2007-0052
Amending Order No. 98-3
Waste Discharge Requirements
for
City of Corona
Wastewater Treatment Plant No. 2
Riverside County

The California Regional Water Quality Control Board, Santa Ana Region (hereinafter, Board), finds that:

1. On April 17, 1998, the Regional Water Quality Control Board (the Regional Board) adopted Order No. 98-3, prescribing Waste Discharge Requirements for the discharge of secondary treated wastewater from the City of Corona Wastewater Treatment Plant No. 2 to three evaporation/percolation ponds.
2. On January 24, 1995, a revised Water Quality Control Plan for the Santa Ana Region (hereinafter Basin Plan) became effective. The Basin Plan was amended significantly to incorporate revised boundaries for groundwater subbasins, now termed "management zones", new nitrate-nitrogen and total dissolved solids (TDS) objectives for the new management zones, and new nitrogen and TDS management strategies applicable to both surface and ground waters.
3. In accordance with the amended Basin Plan, discharge from the City of Corona Plant No. 2 overlies the Temescal Management Zone. Water quality objectives for TDS have also changed.
4. It is appropriate to amend Order No. 98-3 to include revised total dissolved solids limits as provided in the amended Basin Plan.
5. In accordance with Water Code Section 13389, issuance of the waste discharge requirements for this discharge is exempt from those provisions of the California Environmental Quality Act contained in Chapter 3 (commencing with Section 21100), Division 13 of the Public Resources Code.
6. The Board has notified the discharger and other interested agencies and persons of its intent to amend waste discharge requirements for the discharge and has provided them with an opportunity to submit their written views and recommendations.
7. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that Order No. 98-3 be amended as follows:

1. Order No. 98-3, Page 1 of 15, modify Finding No. 6 as Follows:
 6. Plant No. 2 discharges treated municipal wastewater to three evaporation/percolation ponds located in portions of Sections 23 and 24, T3S, R7W, SBB&M. One pond, called the Lincoln pond, is located at the north-east corner of the intersection of Rincon Street and Lincoln Avenue. The remaining two ponds, called the Cota Street ponds, are located westerly of Cota Street on the north and south side of Rincon Street. These two ponds also receive up to 5.5 mgd of secondary treated wastewater from the City of Corona's Wastewater Treatment Plant No. 1.
2. Order No. 98-3, Page 2 of 15, modify Finding No. 8 as Follows:
 8. The City of Corona is a participating agency in the Santa Ana Regional Interceptor Project (SARI Line). The City has a raw sewage treatment and disposal right of 1.55 mgd in the SARI Line. This disposal right allows the discharger to divert to the SARI Line a portion of the total influent into the treatment plant which is above the plant's current design capacity. Furthermore, all raw sewage flows into Plant No. 2 can be diverted to Wastewater Treatment Plant No. 1.
3. Order No. 98-3, Page 2 of 15, replace Finding No.10 with the following:
 10. The Regional Water Board adopted a revised Water Quality Control Plan for the Santa Ana Region (hereinafter Basin Plan) that became effective on January 24, 1995. The Basin Plan designates beneficial uses, establishes water quality objectives, and contains implementation programs and policies to achieve those objectives for all waters in the Santa Ana Region addressed through the plan. More recently, the Basin Plan was amended significantly to incorporate revised boundaries for groundwater subbasins, now termed "management zones", new nitrate-nitrogen and TDS objectives for the new management zones, and new nitrogen and TDS management strategies applicable to both surface and ground waters. This Basin Plan Amendment was adopted by the Regional Board on January 22, 2004. The State Water Resources Control Board and Office of Administrative Law (OAL) approved the Amendment on September 30, 2004 and December 23, 2004, respectively. The surface water standards provisions of the Amendment are awaiting approval by the U.S. Environmental Protection Agency. This Order implements relevant provisions of the N/TDS Basin Plan Amendment.

In addition, the Basin Plan implements State Water Resources Control Board (State Water Board) Resolution No. 88-63, which established State policy that all waters, with certain exceptions, should be considered suitable or potentially suitable for municipal or domestic supply.

4. Order No. 98-3, Page 2 of 15, modify Finding No. 11 with the following:
 11. The discharge overlies the Temescal Management Zone, the beneficial uses of which include:
 - a. Municipal and domestic supply,
 - b. Agricultural supply,
 - c. Industrial service supply, and
 - d. Industrial process supply
5. Order No. 98-3, Page 2 of 15, delete Finding No. 13.
6. Order No. 98-3, Page 2 of 15, delete Finding No. 14.
7. Order No. 98-3, Discharge Specifications A.1.a., Page 3 of 15, replace Table as follows:
 1. The discharge of treated wastewater containing constituent concentrations in excess of the following limits is prohibited:
 - a.

DISCHARGE SPECIFICATION		
CONSTITUENTS	MAXIMUM DAILY CONCENTRATION (mg/l)	MONTHLY AVERAGE CONCENTRATION (mg/l)
Biochemical Oxygen Demand	45	30
Suspended Solids	45	30

a.

CONSTITUENT	12- MONTH AVERAGE LIMIT (mg/l)
Chloride	180
Sodium	120
Sulfate	160
Total Dissolved Solids	770
Total Hardness	440
Total Inorganic Nitrogen	10 (See also Sections C.7. & C.8., Compliance Determination)
Antimony	.006
Chromium (VI)	.05
Cobalt	0.2
Iron	0.3
Lead	0.05
Mercury	.0024

8. Order No. 98-3, Page 8 of 15, Compliance Determination C.10. modify as follows:

C.10. Compliance with the TIN limits shall be based on the combined flow weighted average of the monthly TIN discharges from Plant No. 1 and Plant No. 2 to the percolation ponds.

9. All other conditions and requirements of Order No. 98-3 shall remain unchanged.

I, Gerard J. Thibeault, Executive Officer, do hereby certify that the forgoing is a full, true, and correct copy of an order adopted by the California Regional Water Quality Control Board, Santa Ana Region, on September 7, 2007.

Gerard J. Thibeault
Executive Officer